

## Ordering Information

Family	Lamps	Reflectors	Wattage	Color and Trim	Voltage
<b>PB</b>	<b>2</b>				
PB	2 = Two T4.5 Metal Halide Lamps	T4SP = 10° Spot T4NF = 25° Narrow Flood T4FL = 40° Flood	20 = 20W 39 = 39W 70 = 70W	BL = Black with white flange WL = White with white flange BTL = Black Trimless WTL = White Trimless	1 = 120V 2 = 277V

## Features

- Aperture Frame:** Provides clean support for lamp holders and overlapping flange or trimless installation. Extruded aluminum. Rigidly welded together on all corners.
- Media Cartridge:** Allows convenient loading and removal of one accessory. Easily installed and removed for lamping with a simple twisting motion. Constructed of die-formed aluminum.
- Lockable Adjustment Ring:** Allows 40° lengthwise and 30° widthwise adjustment. Locks the lampholder in place to prevent inadvertent realignment during relamping.
- Tortiontite Spring:** For easy installation of aperture frame.
- Housing:** Die-Formed 22ga. steel. Finish: Black.
- Mounting Brackets:** Adjustable vertically from outside of housing
- Thermal Protector:** Meets NEC, UL and CSA requirements.
- Lampholder:** Porcelain medium based; nickel plated screw shell. Prewired with #18 SF-1 leads to junction box.
- Junction Box:** 14 ga. steel, 4" x 3 1/2" x 3" box. Allows inspection from below.
- Safety Lens:** Tempered 1/8" glass. Meets or exceeds U.L. safety requirement for metal halide lamps.
- Reflector (not shown):** Interchangeable reflectors available to allow for desired precise beam spread without the need of additional lenses. See MHT4R S/NF/F specification sheets.

## Finish

All painted finishes are powder coated baked enamel.

## Electrical

**Lamping:** Ceramic T4.5 Metal Halide. Single ended, G 8.5 base. (By others)

**Electronic Ballast:** Individual for each lamp. High Power Factor.

**Input Watts:** 78, line current: .67 amps. Accessible from below. UL listed for through branch circuit wiring with maximum of (8) no. 12 AWG 90°C.

## Mounting

Fixtures 5' on center, 1/2" to overhead, 2-1/2' to side building member.

## Label

UL/cUL (Suitable for Damp Location), I.B.E.W.

U.S. Patent Pending

## Job Information

## Type:

**Job Name:**

**Cat. No.:**

**Lamp(s):**

**Notes:**

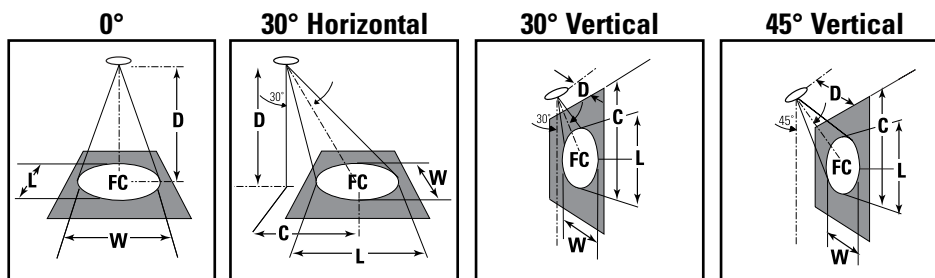
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## AIMING ANGLE:

**L** Beam length  
**W** Beam Width  
**C** Distance to center beam  
**D** Distance  
**A** Aiming Angle  
**FC** Footcandles

**L** and **W** are the outer points where the candle power drops to 50% of the maximum. **FC** are the initial footcandles at the center of the beam.

Lamp data shown is typical. Consult lamp manufacturers for availability and performance.



## 10° Spot — MHT4RS:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	0° Horizontal Aiming				30° Horizontal Aiming				30° Vertical Aiming				45° Vertical Aiming			
				D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C
20W T4 CMH	9° X 9°	22,347	7,500 to 9,000	10'	223	1.6'	1.6'	8'	4.6'	227	1.7'	1.5'	6'	10.4'	78	3.8'	1.9'	5'	5.0'
				15'	99	2.4'	2.4'	12'	6.9'	101	2.5'	2.2'	9'	15.6'	34	5.8'	2.8'	7'	7.0'
				20'	56	3.1'	3.1'	16'	9.2'	57	3.4'	2.9'	12'	20.8'	19	7.7'	3.8'	9'	9.0'
				25'	38	3.9'	3.9'	20'	11.5'	36	4.2'	3.6'	15'	26.0'	12	9.8'	4.7'	11'	11.0'
39W T4 CMH	11° X 11°	36,169	9,000 to 10,000	10'	362	1.9'	1.8'	8'	4.6'	367	2.1'	1.8'	6'	10.4'	128	4.8'	2.3'	5'	5.0'
				15'	161	2.9'	2.8'	12'	6.9'	163	3.1'	2.7'	9'	15.6'	56	7.1'	3.5'	7'	7.0'
				20'	90	3.9'	3.8'	16'	9.2'	92	4.1'	3.6'	12'	20.8'	31	9.5'	4.6'	9'	9.0'
				25'	58	4.8'	4.8'	20'	11.5'	58	5.2'	4.4'	15'	26.0'	20	11.9'	5.6'	11'	11.0'
70W T4 CMH	13° X 13°	53,205	6,000 to 9,000	15'	236	3.4'	3.4'	10'	5.8'	346	3.1'	2.6'	5'	8.7'	266	4.7'	2.3'	8'	8.0'
				20'	133	4.6'	4.5'	15'	8.7'	154	4.6'	3.9'	8'	13.9'	104	7.6'	3.6'	12'	12.0'
				25'	85	5.7'	5.7'	20'	11.5'	86	6.1'	5.3'	11'	19.1'	55	10.4'	5.0'	16'	16.0'
				30'	59	6.8'	6.8'	25'	14.4'	55	7.6'	6.6'	14'	24.2'	34	13.3'	6.4'	20'	20.0'

## 25° Narrow Flood — MHT4RNF:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	0° Horizontal Aiming				30° Horizontal Aiming				30° Vertical Aiming				45° Vertical Aiming			
				D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C
20W T4 CMH	18° X 18°	8,959	7,500 to 9,000	6'	248	1.9'	1.9'	6'	3.5'	162	2.6'	2.2'	3'	5.2'	124	4.1'	1.9'	3'	3.0'
				8'	140	2.5'	2.5'	8'	4.6'	91	3.4'	2.9'	4'	6.9'	70	5.5'	2.5'	4'	4.0'
				10'	90	3.2'	3.2'	10'	5.8'	58	4.3'	3.7'	5'	8.7'	45	6.9'	3.2'	5'	5.0'
				12'	62	3.8'	3.8'	12'	6.9'	40	5.1'	4.4'	6'	10.4'	31	8.2'	3.8'	6'	6.0'
39W T4 CMH	21° X 21°	14,208	9,000 to 10,000	6'	395	2.2'	2.2'	6'	3.5'	256	3.0'	2.6'	3'	5.2'	197	5.0'	2.2'	3'	3.0'
				8'	222	3.0'	3.0'	8'	4.6'	144	4.0'	3.4'	4'	6.9'	111	6.6'	3.0'	4'	4.0'
				10'	142	3.7'	3.7'	10'	5.8'	92	5.0'	4.3'	5'	8.7'	71	8.3'	3.7'	5'	5.0'
				12'	99	4.4'	4.4'	12'	6.9'	64	6.0'	5.1'	6'	10.4'	49	9.9'	4.4'	6'	6.0'
70W T4 CMH	23° X 23°	22,703	6,000 to 9,000	6'	631	2.4'	2.4'	6'	3.5'	410	3.3'	2.8'	3'	5.2'	315	5.6'	2.4'	3'	3.0'
				8'	355	3.3'	3.3'	8'	4.6'	230	4.4'	3.8'	4'	6.9'	177	7.4'	3.3'	4'	4.0'
				10'	227	4.1'	4.1'	10'	5.8'	147	5.5'	4.7'	5'	8.7'	114	9.3'	4.1'	5'	5.0'
				12'	158	4.9'	4.9'	12'	6.9'	102	6.6'	5.6'	6'	10.4'	79	11.2'	4.9'	6'	6.0'

## 40° Flood — MHT4RF:

	Beam Spread (To 50% CBCP)	CBCP	Rated Life (Hrs.)	0° Horizontal Aiming				30° Horizontal Aiming				30° Vertical Aiming				45° Vertical Aiming			
				D	FC	L	W	D	C	FC	L	W	D	C	FC	L	W	D	C
20W T4 CMH	36° X 36°	2,356	7,500 to 9,000	6'	65	3.9'	3.9'	6'	3.5'	43	5.4'	4.5'	2'	3.5'	74	7.6'	2.6'	3'	3.0'
				8'	37	5.2'	5.2'	8'	4.6'	24	7.2'	6.0'	3'	5.2'	33	11.4'	3.9'	4'	4.0'
				10'	24	6.5'	6.5'	10'	5.8'	15	9.0'	7.5'	4'	6.9'	18	15.2'	5.2'	5'	5.0'
				12'	16	7.8'	7.8'	12'	6.9'	11	10.8'	9.0'	5'	8.7'	12	19.0'	6.5'	6'	6.0'
39W T4 CMH	40° X 40°	3,877	9,000 to 10,000	6'	108	4.4'	4.4'	6'	3.5'	70	6.1'	5.0'	2'	3.5'	121	9.7'	2.9'	3'	3.0'
				8'	61	5.8'	5.8'	8'	4.6'	39	8.1'	6.7'	3'	5.2'	54	14.5'	4.4'	4'	4.0'
				10'	39	7.3'	7.3'	10'	5.8'	25	10.2'	8.4'	4'	6.9'	30	19.3'	5.8'	5'	5.0'
				12'	27	8.7'	8.7'	12'	6.9'	17	12.2'	10.1'	5'	8.7'	19	24.2'	7.3'	6'	6.0'
70W T4 CMH	42° X 42°	6,514	6,000 to 9,000	6'	181	4.6'	4.6'	6'	3.5'	118	6.5'	5.3'	2'	3.5'	204	11.0'	3.1'	3'	3.0'
				8'	102	6.1'	6.1'	8'	4.6'	66	8.6'	7.1'	3'	5.2'	90	16.5'	4.6'	4'	4.0'
				10'	65	7.7'	7.7'	10'	5.8'	42	10.8'	8.9'	4'	6.9'	51	22.0'	6.1'	5'	5.0'
				12'	45	9.2'	9.2'	12'	6.9'	29	12.9'	10.6'	5'	8.7'	33	27.5'	7.7'	6'	6.0'

## Job Information

## Type:

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